

~~TOP SECRET~~M/EB 522/64
9 November 1964
Copy 1

MEMORANDUM FOR: Chief, Ballistic Missile and Space Division, OSI

ATTENTION:

25X1A

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID

SUBJECT: Moscow FLIM-FLAM Facility

REFERENCES: (a) Requirement C-SI-3-80,659
(b) CIA/PID Project C 1397-63

1. This memorandum is in response to your requirement dated 4 October 1963 which requests an indepth history of eight FLIM FLAM tracking sites in the USSR. This memorandum is a partial response to this requirement, reporting only on the Moscow FLIM FLAM Tracking Facility.

2. This facility is located approximately 4.7 nautical miles northwest of the center of Moscow/Shchelkovo Airfield and approximately 16 nautical miles northeast of the center of Moscow. The geographic coordinates are 55-56N 37-58E.

The facility consists of two sets of buildings each with tracking antennas, located within the same probably secured area. These two buildings with antennas are designated Type A and Type B. The Type A set of buildings is generally smaller, closer spaced and is constructed on the same vertical plane in relation to a straight line drawn between the centers of the two buildings. The Type B set of buildings is generally larger, with a greater distance between the two buildings, and is constructed in a canted position in relation to a straight line drawn between the two centers.

Although no communication facilities can be directly connected to the FLIM FLAM facility, there is a relatively new high frequency communication station located 6.5 nautical miles north-northeast of the tracking station. The geographic coordinates are 56-03N 38-02E. There are approximately seven rhombic antennas present which appear to be under construction. The station will be the subject of more detailed study in a memorandum now in work.

Declass Review by NIMA/DOD

GROUP 1
Excluded from automatic
downgrading and
declassification~~TOP SECRET~~

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[REDACTED]
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The Type A group consists of two buildings, each with a dome on its roof (see attached drawing, Items 1 and 2). Including dome, they measure 85 by 85 by 85 feet high and 85 by 65 by 75 feet high, respectively. The two buildings are 405 feet apart, measuring from inside wall to inside wall. The azimuth orientation of a line perpendicular to a straight line between the two buildings is [REDACTED] degrees.

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The dome on one building (Item 2) is approximately 55 feet in diameter and is the newer of the two. The dome on the other building (Item 1) is approximately 65 feet in diameter and has been present since [REDACTED].

The Type B group consists of two buildings (Items 3 and 4) each with 50-foot diameter parabolic antennas on their roof. Excluding antennas, each building measures 105 by 105 by 25 feet high. The distance between buildings is 560 feet, measured inside wall to inside wall, and 635 feet, measured center to center. A height measurement from the ground to the top of the antennas is between 90 feet and 120 feet. The azimuth orientation of a line perpendicular to a straight line drawn between the centers of the two buildings is [REDACTED] degrees.

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Associated with this Type B group are two buildings (Items 5 and 6), each having measurements of 120 by 50 feet. These buildings are probably in support of the Type B buildings. It is interesting to note that one of this type building (Item 5) is seen at all other Type B FLIM FLAM facilities, located in the same approximate position in relation to the building. Also the dimensions of this support building are approximately the same in all cases. Therefore, based on past occurrences, this rectangular support building can be considered a part of the Type B FLIM FLAM signature.

The construction timing is shown in the following tabulation of photographic missions over the facility.

Observation

The facility was first observed on this mission; however, photographic quality was very poor, limiting the interpretation to an identification only of both Type A buildings and one of the Type B buildings.

Again the photographic quality was poor, but the second Type B building was observed for the first time.

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Mission

Date

Observation

Both sets of buildings are observed as probably being completed with antennas observed on one building in each set. Also antennas are possibly present on the other building in each set.

This was the first good quality coverage of the facility and was the basis for the detailed interpretation as stated previously in this memo.

This was the best quality coverage of the facility to date. However, no significant changes are noted since [REDACTED] The negation date for this facility is undetermined due to the poor quality photographic coverage available previous to [REDACTED]

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Following is a listing of photographic coverage of this facility:

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3. The photo analyst on this project is [redacted] who may be contacted on extension [redacted] should you have any further questions concerning this project.

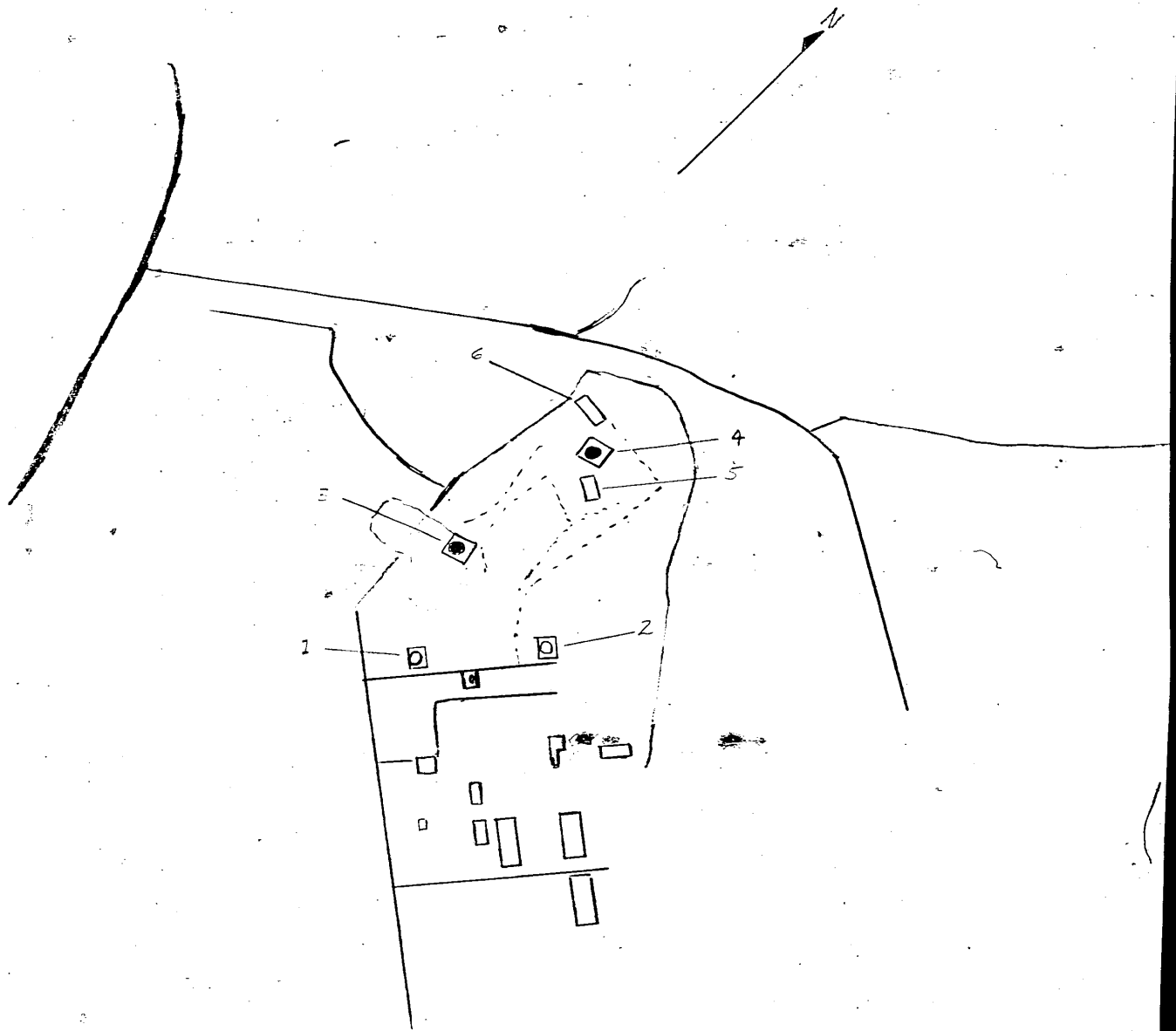
4. This project is not considered

Enclosures:

- 1 - One (1) line drawing
(CIA/PID/MEB-P-995/64)
- 2 - One (1) photo
(CIA/PID/MEB-P-996/64)

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MOSCOW FLIM FLAM FACILITY,
55 56N/ 37 58E

FIGURE 1

CIA/PID/MEB-P-995/64
Attach to:

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